PTO/SB/21 (02-04)
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.\$'			Application Number	10/643,68	39
TRANSMITTAL		Filing Date	August 19	9, 2003	
•	FORM (to be used for all correspondence after initial filing)		First Named Inventor	WAND et	al.
(to be used for all co			Art Unit	3753	
		Examiner Name	LEO, LEO	DNARD R.	
Total Number of Page	s in This Submission	7	Attorney Docket Number	21723-00	02
		ENCLO	SURES (check all that apply)		
Fee Transmittal F	Form	☐ Drawin	ng(s)	After A Group	llowance Communication to
Fee Attached	.	Licens	ing-related Papers		Communication to Board of Is and Interferences
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Extension of Time	e Request	Termir	nal Disclaimer		Enclosure(s) identify below):
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Response to Missi Incomplete Applie					
Response to Parts under 3 1.52 or 1.53					
	SIGNA	TURE OF	APPLICANT, ATTORNEY, O	R AGENT	
Firm or	McNees Wallace &	Nurick LLC	:		
Individual name	K. Scott O'Brian	12/4/1			
Signature	No Sur	TI PL	n		
Date January 6, 2005					
	C	ERTIFICA	TE OF TRANSMISSION/MAI	LING	
I hereby certify that to Service with sufficie Alexandria, VA 22313	nt postage as first	class mail i	simile transmitted to the USPTO n an envelope addressed to: C	or deposited ommissioner	with the United States Postal for Patents, P.O. Box 1450,
Typed or printed nam	ne Kathy A. Şau	ter	700		
Signature Sathu(Lautos 1	Date	January 6, 2005	

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Application No.: 10/643,689
Atty. Docket No. 21723-0002

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Дррій	Applicant: WAND et al.		WAND et al.) Group Art Unit:	3753
Applic	application No.: 10/643,689) Examiner:	LEO, LEONARD R.	
Filed:	: August 19, 2003) Atty. Docket No.	21723-0002	
For:	PLA	ATE HEA	T EXCHANGER WITH EN) HANCED SURFACE	FEATURES
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		SUPPLI	EMENTAL INFORMATION	DISCLOSURE ST	<u>ATEMENT</u>
SIR:					
	The	following	are included with this Info	rmation Disclosure	Statement:
\boxtimes	A.	PTO/SB	2/08		
	В.	CERTIFICATION (37 C.F.R. 1.97(c)-before final Office Action or allowance)			
	C.	\$180.00 FEE PAYMENT (37 C.F.R. 1.97(c)-before final Office Action or allowance)			
	D.	PAYME	PETITION, CERTIFICATION NT F.R.1.97(d)-before issue fe		E
compl			are submitted in the above CFR 1.98:	e-identified applicati	on in
	I.		f each listed U.S. Patent ar on [1.98(a)(2)(i)].	nd U.S. Patent appli	cation
	II.	application	f each listed foreign patent on. For each listed foreign oplication [1.98(a)(2)]: the English language versi published in English, if ava and/or	patent and/or publision or an English tra	shed foreign anslation if not

		lo.: 10/643,689 No. 21723-0002
		b) U.S. counterpart patents or English language equivalents of the foreign patents or published foreign patent applications
		 (see PTO-1449); and/or a concise explanation of the relevance of the listed patents, publications or other information (see PTO-1449, foreign search report or other, attached), as it is presently understood by the person signing this disclosure, since no English translation is currently available[1.98(a)(3)].
	III.	A copy of each listed publication, other than published foreign applications. For each listed publication [1.98(a)(2)]:
		(a) an English translation, if available, when the original publication is not in the English language (see PTO-1449)[1.98(a)(3)];
		(b) a concise explanation of the listed publications (see PTO-1449), as it is presently understood by the person signing this disclosure, since no English translation is currently available [1.98(a)(3)].
	IV.	For any other listed information, a copy of the information or that portion which caused it to be listed (see PTO-1449)[1.98(a)(2)(iii)].
	V.	Each listed U.S. Patent, Publication or other information that was previously cited by or submitted to the Office in a prior application, which application is relied upon for an earlier filing date under 35 U.S.C.§ 120 [1.98(d)].
\boxtimes	VI.	Copies of each listed U.S. Patent and U.S. Patent application publication are not being submitted herewith pursuant to a waiver of 37 CFR 1.98(a)(2)(i) by the USPTO on July 11, 2003 for applications filed after June 30, 2003.
comp		information is submitted in the above-identified application in with 37 C.F.R.1.97 because:
	1.	This information disclosure is submitted within three months of the filing date of the application, or before the mailing date of the first office action on the merits of the application [1.97(b)].
\boxtimes	2.	This information disclosure is submitted before the mailing date of a final action in this application under 1.113[1.97(c)] and the requisite statement or fee is provided (see items 6 or 7 below).

This information disclosure is submitted before the mailing date of a notice П 3. of allowance under 1.311 [1.97(c)] and the requisite statement or fee is provided (see items 6 or 7 below). This information disclosure is submitted after the mailing date of a final 4. action under 1.113 [1.97(d)] and the requisite statement and fee is provided (see items 6 and 8 below). This information disclosure is submitted after the mailing date of a notice \Box 5. of allowance under 1.311, but before the payment of the issue fee [1.97(d)] and the requisite statement and fee is provided (see items 6 and 8 below). This information disclosure statement is submitted with the statement 6. required for items 2, 3, 4 or 5 above [1.97(c), (d), (e)]: I, K. Scott O'Brian, hereby state the following: 冈 Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement. \boxtimes No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this information disclosure was known to any individual designated in 1.56(c) more than three months prior to the filing of this information disclosure statement. This information disclosure statement is submitted with the fee of \$180 set 7. forth in 1.17(p) [see items 2 and 3 above]. Please charge this fee and any other fees associated with this application to Deposit Account No. 50-1059. (Please note, no fee is required for items 2 and 3 above if the Item 6 statement is provided).

Application No.: 10/643,689
 Atty. Docket No. 21723-0002

Application No.: 10/643,689
Atty. Docket No. 21723-0002

8. Please charge this fee and any other fees associated with this application to Deposit Account No. 50-1059.

Respectfully submitted,

Dated: January 6, 2005 McNees Wallace & Nurick LLC

K. Scott O'Brian Reg. No. 42,946 100 Pine Street P.O. Box 1166

Harrisburg, PA 17108-1166

PTO/SB/08a (08-03)
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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

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Complete if Known					
Application Number	10/643,689				
Filing Date	August 19, 2003				
First Named Inventor	WAND et al.				
Art Unit	3753				
Examiner Name	LEO, LEONARD R.				
Attorney Docket Number	21723-0002				

			U.S. PATENT	OCUMENTS	
Examiner	Cite	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
Initials *	No. ¹	Number - Kind Code ² (if known)	WIWI-DD-TTTT		Figures Appear
	Α	US- 2004/0226704 A1	11-18-2004	Sella et al.	
	В	US-			
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	FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T®	
		Country Code ³ - Number ⁴ - Kind Code ⁵ (<i>if known</i>)					
	 						

Examiner Signature	Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Attorney Docket No.: 21723-0002 Application No.: 10/643,689 Filed: August 19, 2003

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